

INVENTOR: Rocco DiFoggio  
TITLE: Method and Apparatus For An Acoustic Pulse...  
ATTORNEY: G. Michael Roebuck TELEPHONE NO.: 713-266-1130  
EXPRESS NO.: EV369817945US DOCKET NO.: 584-30656-US  
SHEET 1 OF 9

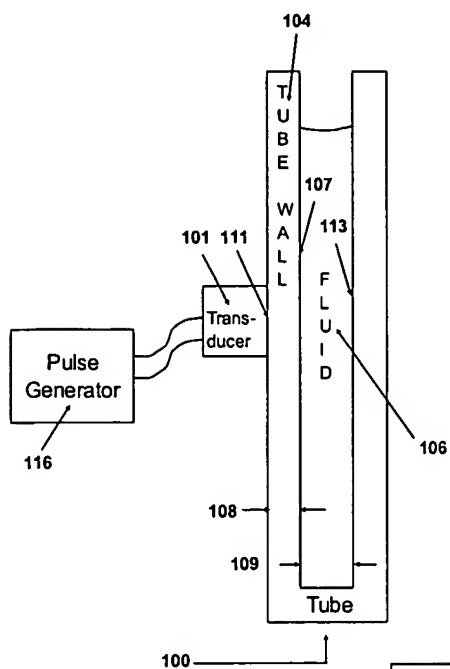


Figure 1

### Acoustic Pulse Echoes for Air

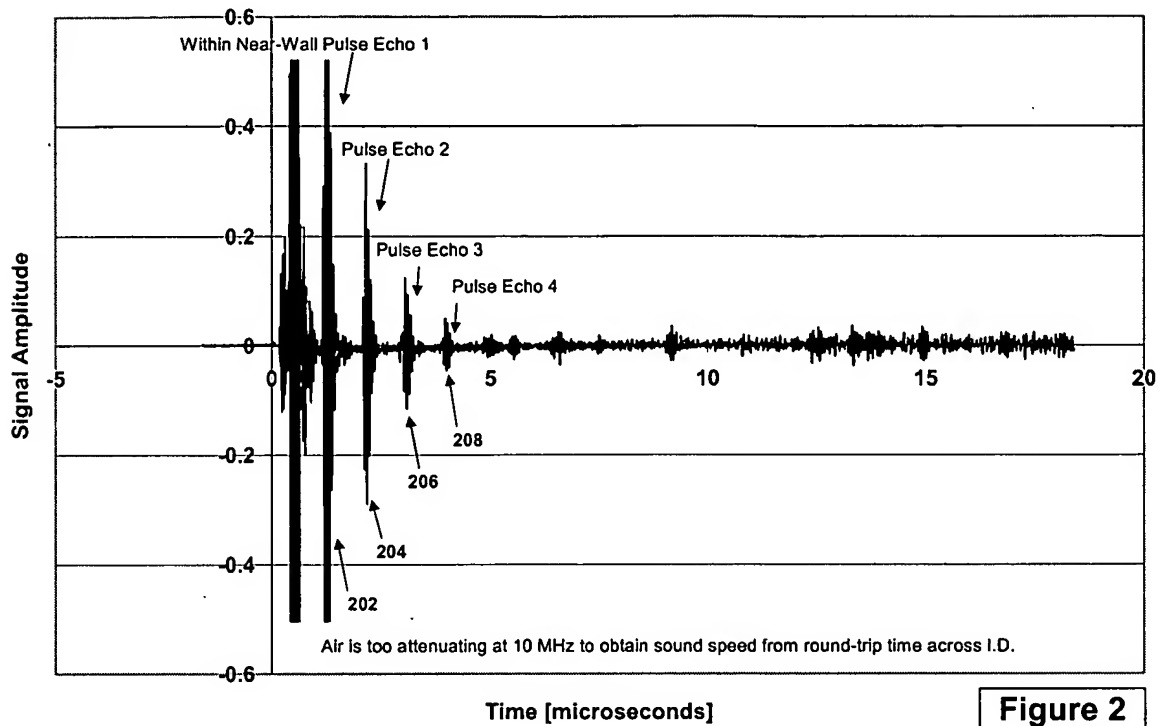
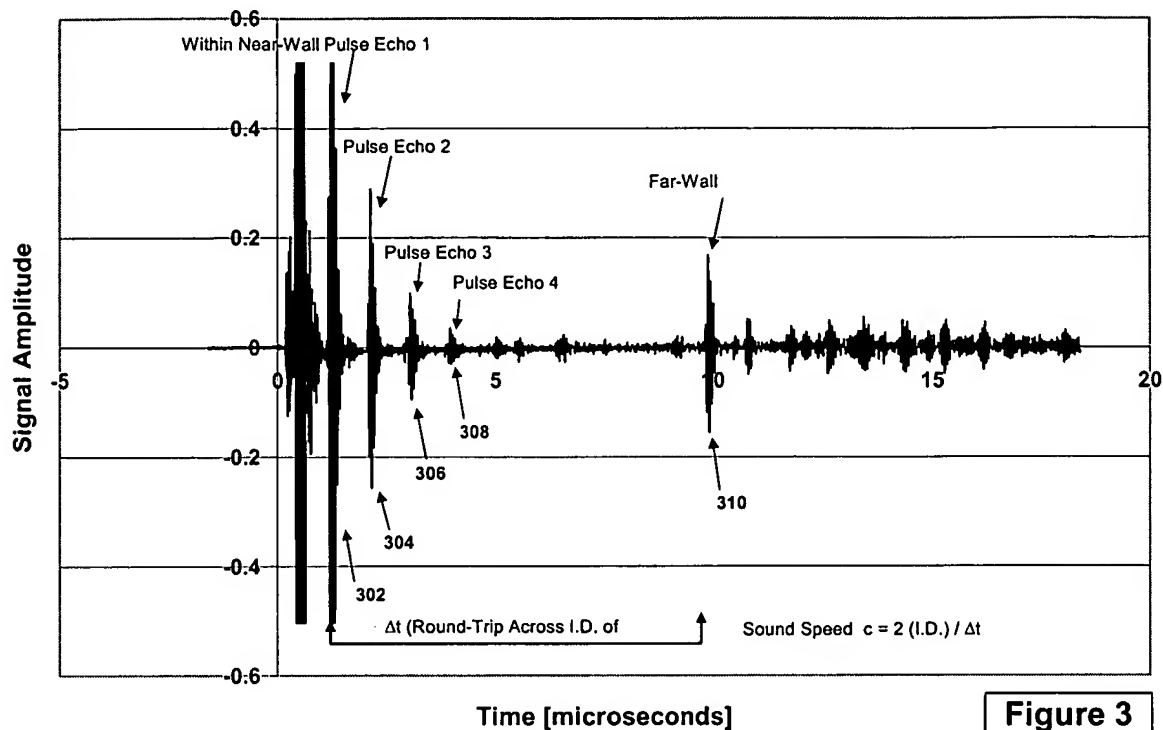
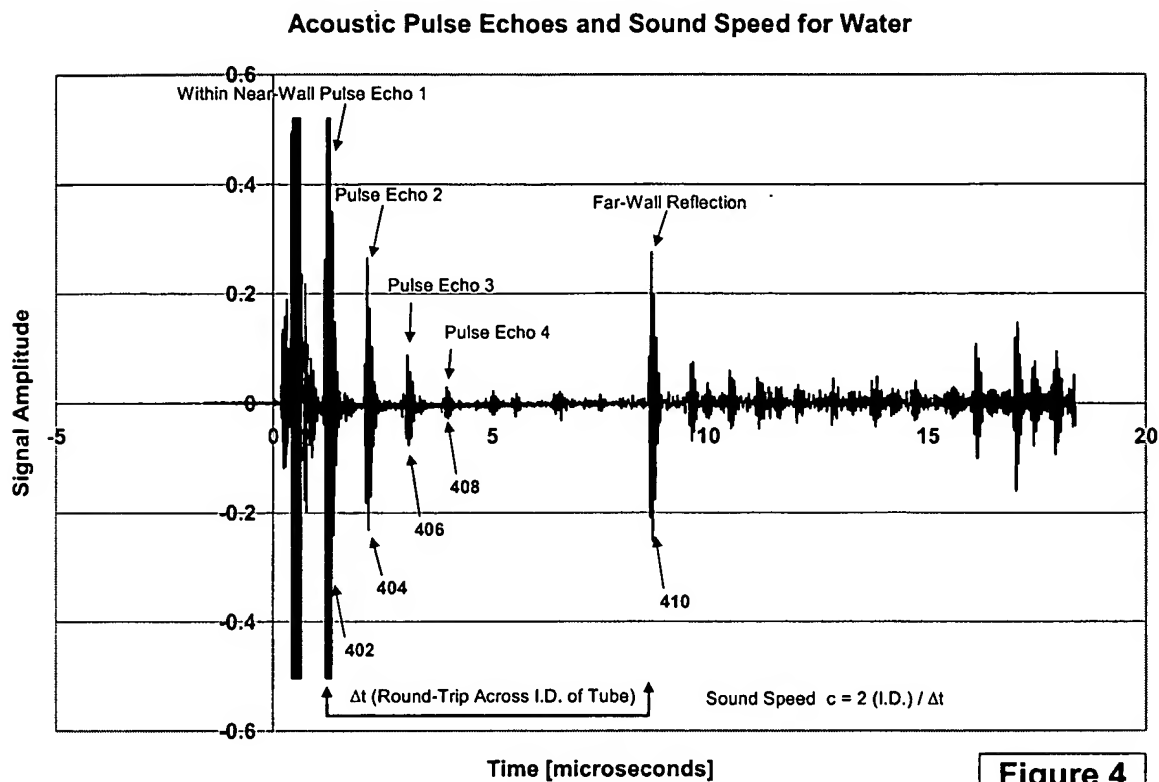
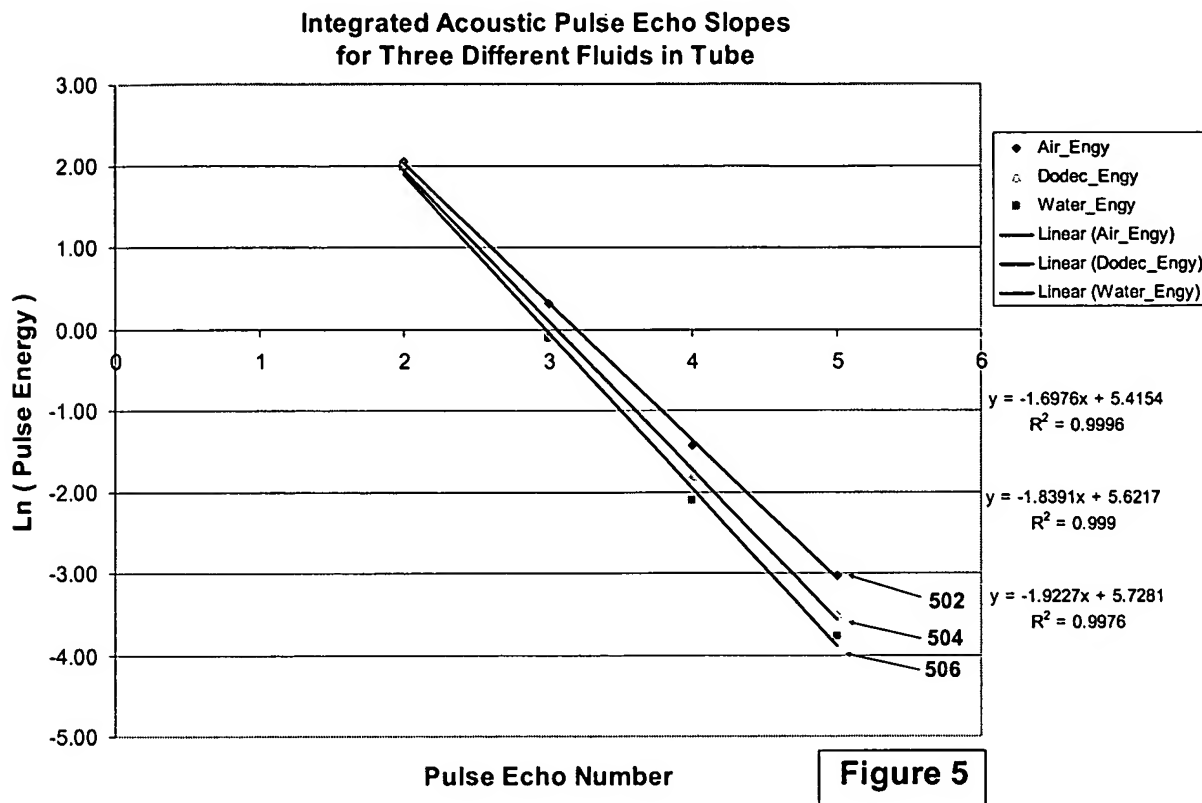


Figure 2

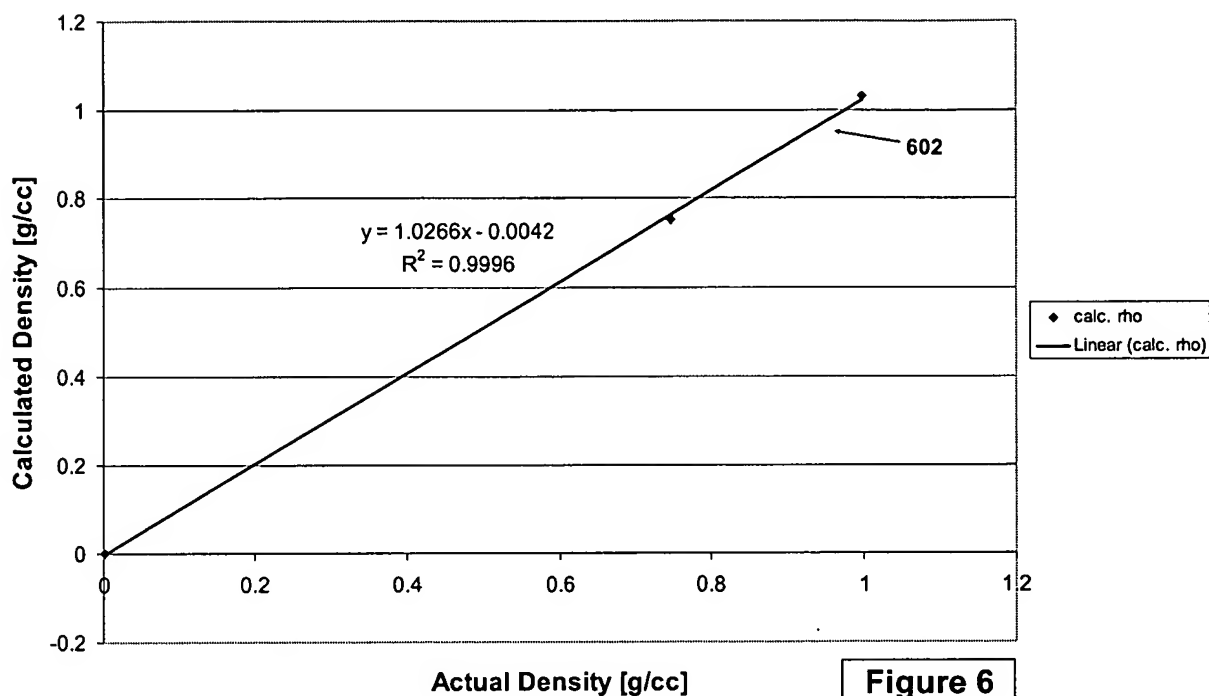
### Acoustic Pulse Echoes and Sound Speed for Dodecane







**Comparison of Calculated to Actual Rho when Assume  
that Slope of Air-Filled Tube Represents 100% Reflection**



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FIG. 9

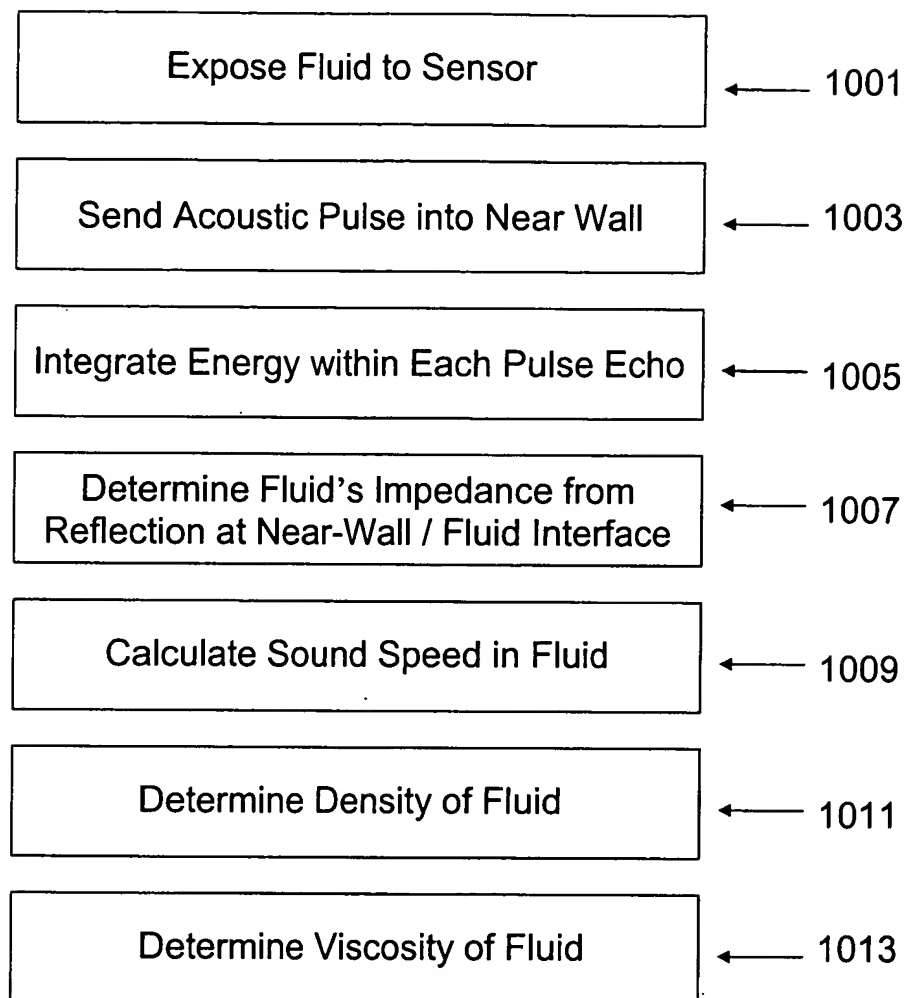


Figure 10



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**Non-Integrated Acoustic Pulse Echo Slopes  
for Three Different Fluids in Tube**

